



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for April 4, 2014
Ed Kearns, Acting Chief

Largest risks identified

- Change Requests not submitted yet
 - PERSIANN
- [ORR](#) scheduled for April 16th will be delayed another month (or longer if there's a significant backlog). R20 and O&M ORR checklist not available right now.
 - MSU TCDR
 - PERSIANN
 - Vegetation Bundle (Sfc reflectance and NDVI)
 - Heidinger (Cloud Properties)
 - HIRS Ch12
- Expect April deliverables to be pushed to May or June 2014 after return of contract workforce.

			Assessment		Deliver Drafts						Review and Provide Feedback						Deliver Final Versions						Misc		Archive			Release			
	CDR	PI TM	Assemble IPT	Perform Asses- ment	Deliver source code sample and README draft	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Create Collection Level Metatdata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Make data publicly available	Put data, docs, and code on dev web page	Conduct ORR	
1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	x	x	x	22-Jul	28-Jun	22-Jul	x	4-Sep	x	26-Jul	11-Jul	26-Jul	x	9-Sep	23-Aug	5-Aug	27-Aug	5-Aug	13-Sep	10-Sep	11-Sep	27-Aug	17-Sep	17-Sep	17-Sep	20-Sep	24-Sep	7-Nov	
2	Cloud Properties	Heidinger Knapp	x	x	x	x		11-Jan	x	16-Jan	x	x		14-Jan	x	30-Jan		x		16-Jan	Mar	Mar									Apr 2014
3,4	Vegetation (Sfc Ref, NDVI)	Vermote Matthews	x	17-Jan	22-May	2-Jul	26-Jul	7-May	22-May	6-Nov	29-May	9-Jul	22-Aug	6-Nov	30-Jun	8-Nov		1-Nov	19-Nov	5-Mar	Mar	12-Nov		6-Nov			Apr				Apr 2014
5	MSU TCDR	Zou Semunegus	x	IP 23-Dec	25-Feb	25-Feb	25-Feb	25-Feb	25-Feb	DSRR 2-Apr	4-Mar	4-Mar	4-Mar	4-Mar	4-Mar																May 2014
6	OLR Daily	HT Lee Shreck	x	x	May	6-Jan	Apr	11-Jan	30-Jan			10-Jan		14-Jan				15-Jan		15-Jan											May 2014
7,8,9	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang	x	21-Feb	12-Dec			19-Feb	25-Nov	ATRAC	16-Dec				13-Dec																Jun 2014
10	Stratospheric (Ozone)	Rosenlof Young	x	x					30-Oct	ATRAC					6-Jan																Jul 2014
11,12	Cryosphere (APP FCDR) (APP-x TCDR)	Key Young	13-Jun	IP 20-Dec					20-Dec																						Aug 2014
13	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young	x	22-Nov		14-Feb	31-Dec	7-Feb	14-Feb	20-Dec		21-Feb	13-Feb	14-Feb	18-Feb						60 TB					60 TB					Aug 2014
14	Vegetation (LAI/FAPAR)	Vermote Matthews	x	17-Jan	24-Jun	2-Jul	26-Jul	7-May		6-Nov	29-May	9-Jul	22-Aug			8-Nov		1-Nov													Sep 2014
15	Cloud/ Moisture Bundle (CTP, TPW)	Menzel Young	x	31-Jan	1-Oct	5-Aug	15-May	5-Aug	21-Oct	ATRAC 10 yr	29-Oct	29-Oct	29-Oct 10-Jan								NCDC creating										Sep 2014
16	CMORPH	Xie Prat	x																												Oct 2014
17	Solar Irradiance (Oservational)	Pilewskie Inamdar	x	6-Mar	22-Jan																										Nov 2014
18	Solar Irradiance (Composite)	Lean Inamdar	x	6-Mar	22-Jan																										Nov 2014
19	ISCCP	Rossow Knapp	x	17-Jan																											Dec 2014
20	IIRT Sea Ice Concentration	Fetterer Peng	x	PI says NO deliverables																											Dec 2014
21	MSU Ch3, Ch4, Trop Hgt	Ho Shi	x	On Hold																											Dec 2014



			Assessment		Deliver Drafts					Review and Provide Feedback						Deliver Final Versions						Misc		Archive			Release										
	CDR	PI	Assemble IPT	Perform Assessment	Deliver source code sample and README draft	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Create Collection Level Metatdata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Make data publicly available	Put data, docs, and code on dev web page	Conduct ORR							
1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	1) Complete					22-Jul	26-Jun	22-Jul	x	4-Sep	x	26-Jul	11-Jul	26-Jul	x	9-Sep	23-Aug	6-Aug	27-Aug	6-Aug	15-Sep	18-Sep	11-Sep	27-Aug	17-Sep	17-Sep	20-Sep	24-Sep	7-Nov						
2	Could Properties	Heidinger Knapp	2) Need to follow up with PI on expected data transfer (TM and PBR input required)																			16-Jan	Mar	Mar									Apr 2014				
3,4	Vegetation (Sfc Ref, NDVI)	Vermote Matthews	3-4) Ingest and archiving has started for the data and code. Need TM to conduct ORR .																			5-Mar	Mar	12-Nov		8-Nov			Apr				Apr 2014				
5	MSU TCDR	Zou Semunegus	4) DSSR completed and UESB briefing provided															4-Mar	4-Mar	4-Mar	4-Mar														May 2014		
6	OLR Daily	HT Lee Shreck	5) Need an ORR to complete.					30-Jan				10-Jan		14-Jan					15-Jan		15-Jan										May 2014						
7,8,9	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang	7-9) PI working on C-ATBDs and interpolation scheme; sample data should be ready in 2 weeks																																Jun 2014		
10	Stratospheric (Ozone)	Rosenlof Young	10) Provided the first draft review of the Ozone C-ATBD																			6-Jan													Jul 2014		
11,12	Cryosphere (APP FCDR) (APP-x TCDR)	Key Young	11-12) First draft of CATBD from PI.																															Aug 2014			
13	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young	13) Received CATBD for TCDR and SOW received															12-Feb	14-Feb	18-Feb						60 TB					60 TB				Aug 2014		
14	Vegetation (LAI/FAPAR)	Vermote Matthews	14)															17-Jan	26-Jan	2-Jul	26-Jul	7-May		8-Nov	29-May	9-Jul	22-Aug									Sep 2014	
15	Cloud/ Moisture Bundle (CTP, TPW)	Menzel Young	15) netCDF review and feedback pending															26-Oct	29-Oct	26-Oct	10-Jan								NCDC creating							Sep 2014	
16	CMORPH	Xie Prat	16) Start work in FY14 – but low priority																																		Oct 2014
17	Solar Irradiance (Oservational)	Pilewskie Inamdar	17) Had IPT meeting, went over Imp Plan.																																	Nov 2014	
18	Solar Irradiance (Composite)	Lean Inamdar	18)															6-Mar	22-Jan																		Nov 2014
19	ISCCP	Rossow Knapp	19) Anand/Alisa/Ken performed a one month sample compariso															n	o	f	2.5	and	1.0	degree	data.												Dec 2014
20	NRT Sea Ice Concentration	Fetterer Peng	20) CIRES money in place; PI says there are NO deliverables with a grant - will need to monitor closely																																		Dec 2014
21	MSU Ch3, Ch4, Trop Hgt	Ho Shi	21) Low Priority																																	Dec 2014	



SCHEDULE OF DELIVERABLES - CDRP 2013 O&M Contracts and Grants

CDR	Imp Pln	QA Proc	Up-to-date with Data deliveries	QA Results	IP Lic.	CDRP action required?
UAH MSU			not public			
Pathfinder SST			data thru 2012/not monthly			CH - continue monitoring CR/ continue reviewing Implementation Plan
PATMOS-x			Currently undergoing CR			CH - continue monitoring CR ***Data delivery by end of March***
AMSU-A ch7						
AMSU-A ch9						
GridSat B1	N/A	N/A	Currently undergoing CR	N/A	N/A	CH - continue monitoring CR PI - need Maturity Matrix and C-ATBD submitted
CSU SSMI(S)						
Monthly OLR			was not funded FY12 for O&M	not in WA		CH - continue monitoring CR ***Data delivery by early April, pending DSRRB approval***
RSS MSU				not in WA		* DSSR completed. No movement on this CDR until ORR
Sea Ice Conc.						
Snow Cover Extent (NH)						
HIRS Ch12	N/A	N/A	Currently undergoing CR	N/A	N/A	CH - continue monitoring CR
PERSIANN						CH - track CR form completion
RSS SSMI(S)				not in WA		"PERSIANN is affected because a CR request was not submitted and is an O&M activity that has not been started. Therefore, this "corrected" CDR will not be delivered in April and probably not May.
AOT	N/A	N/A	Currently undergoing CR	N/A	N/A	CH - continue monitoring CR ***Data delivery by early April***
AMSU Chs 4-14						

CDR Program Office

NPP/JPSS Climate Raw Data Records (C-RDRs) Project

Weekly Report – April 04, 2014

VIIRS

①

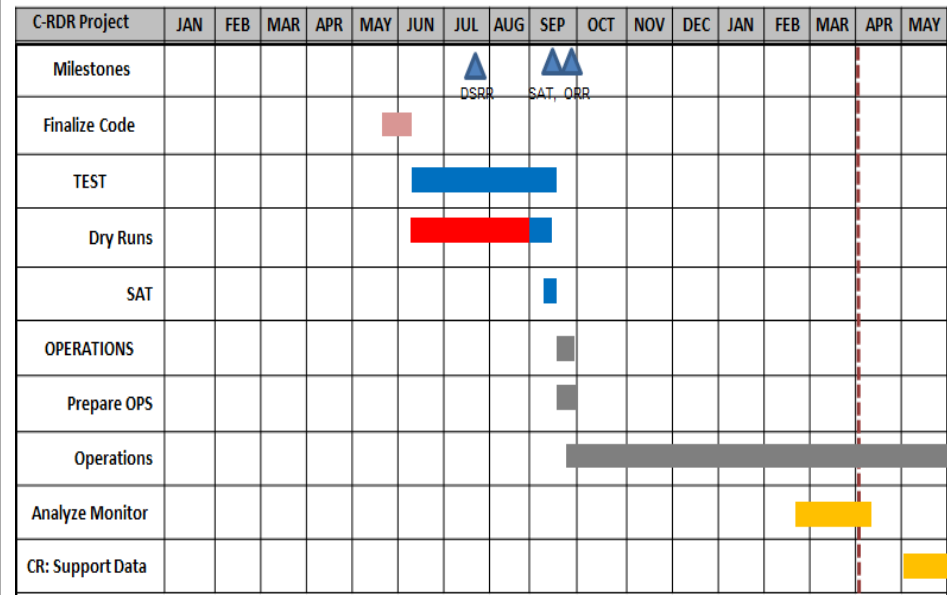
- Completed code for C-RDR.

②

System Infrastructure

- Integrating with the VIIRS C-RDR.

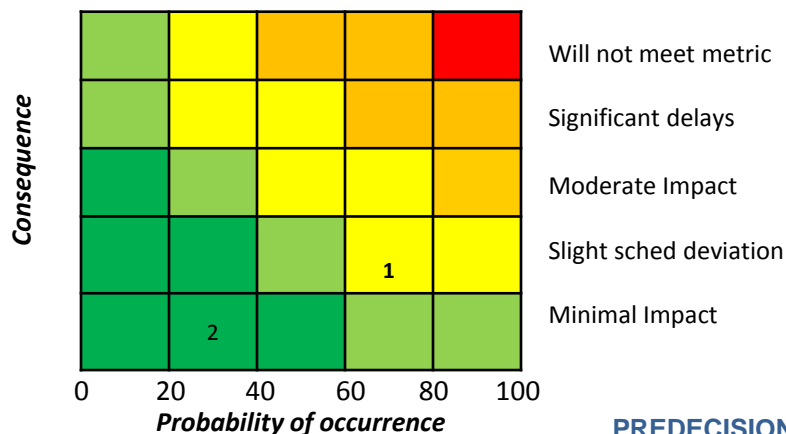
- Investigating use of graph database for C-RDR and OPS monitoring.
- Analyzing C-RDR monitoring capabilities to create schedule.
- Defining a template for Operational Interface Specification.
- Evaluated transforming CDRs for use with the Obs4MIPS.
- Working to generate a current supporting data file.
- VIIRS C-RDRs are operational and accessible via HAS.
- Collection level metadata available on Climate.gov and DOI.org.
- Evaluating JPSS support data Change Requests and their effects.
- C-RDR is first product moving to three tier environment.
- Initial verification of SDR from C-RDR compared successfully.
- VIIRS Product Specification is ITAR approved.
- Will deliver initial version with ADL 3.1.



R2O PHASE:

ANALYSIS DESIGN DEVELOPMENT INTEGRATION TEST OPERATIONAL

Risk Matrix



● = On-track

● = Potential management action required

● = Management attention required

Risk and Mitigation

VIIRS –

- Operational software is under maintenance, updated versions may affect C-RDR ported version. Will affect Supporting Data Files but should not affect C-RDR.

System Infrastructure –

- Reliability of NPP RDRs from CLASS via subscription. Need to develop an automated mechanism for re-requesting data.

PREDECISIONAL DRAFT INFORMATION

7/14/2014



CDR Program Office

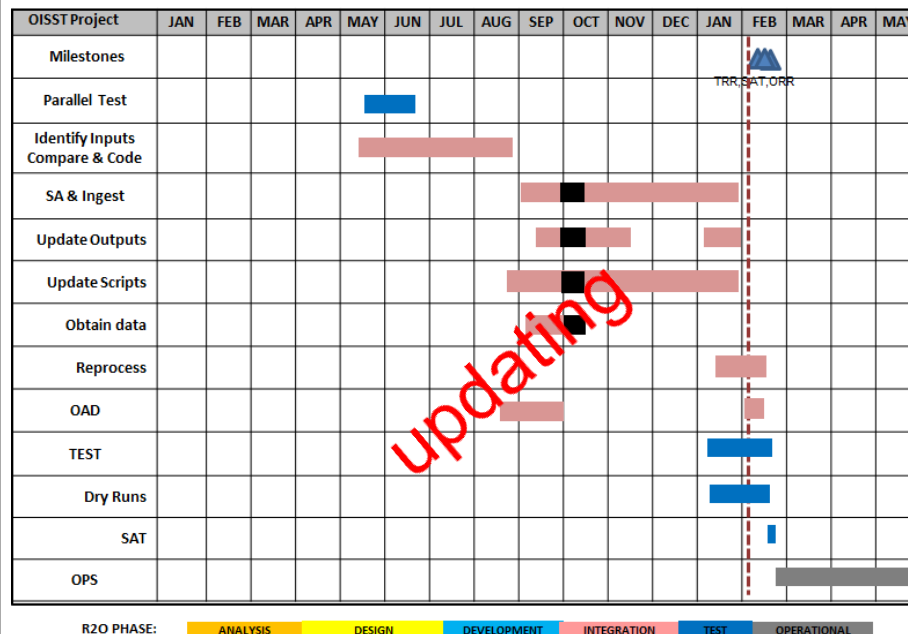
OISST Research to Operations Project

Weekly Report – April 04, 2014

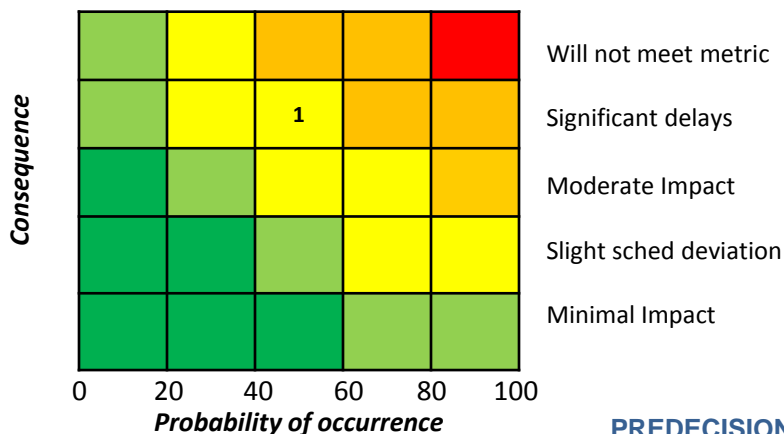
1 OISST – Optimum Interpolated Sea Surface Temperature

- Testing the forward processing and reprocessing scripts.
- Updating output format to GHRST 2.
- Sent draft SLA for DO review before sending to NCEP.
- Successfully completed 30 day parallel test.
- Comparing NCDC GTS with NCEP ship/buoy data for use. GCAD is resolving issues but requires new operational code.
- AVHRR data for the 15 day delay product is available from CLASS.
- Running test data and code on Rainband for parallel test.
- GSTWG discussing inputs and production of preliminary OISST.
- Created a SOP for operational OISST.
- Completed refactoring of each component.
- Conducted Technology Assessment Review July 25.

Operations:



Risk Matrix

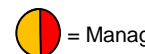
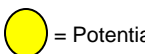
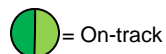


Risk and Mitigation

1 Time to progress through the three tier environment. ITB support is required.

PREDECISIONAL DRAFT INFORMATION

7/14/2014



= On-track = Potential management action required = Management attention required